

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/053700 A1

(51) International Patent Classification⁷: A61K 31/5375, A61P 25/14

(21) International Application Number:
PCT/EP2004/013248

(22) International Filing Date:
19 November 2004 (19.11.2004)

(25) Filing Language:
English

(26) Publication Language:
English

(30) Priority Data:
0327195.4 21 November 2003 (21.11.2003) GB

(71) Applicant (for all designated States except US):
SMITHKLINE BEECHAM CORPORATION [US/US]; One Franklin Plaza, P O Box 7929, Philadelphia, Pennsylvania 19101 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BARLAND, Jean-Christophe** [FR/GB]; GlaxoSmithKline, Stockley Park, Uxbridge Middlesex UB11 1BU (GB).

(74) Agent: REED, Michael; GlaxoSmithKline, Corporate Intellectual Property CN925.1, 980 Great West Road, Brentford Middlesex TW8 9GS (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/053700 A1

(54) Title: USE OF (2S,3S)-2-(3-CHLOROPHENYL)-3,5,5-TRIMETHYL-2-MORPHOLINOL

(57) Abstract: This invention relates to a novel use of (+)-(2S,3S)-2-(3-chlorophenyl)-3,5,5-trimethyl-2-morpholinol, in particular its use in the treatment of Restless Legs Syndrome, or its use in the treatment of Periodic Limb Movement Disorder (PLMD).